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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

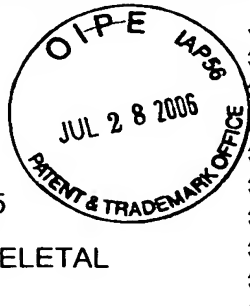
In re Patent Application of

Pierre Jurdic et al.

Application No.: 10/559,819

Filing Date: December 8, 2005

Title: PATTERNS FOR A SKELETAL
SYSTEM



Group Art Unit:

Examiner:

Confirmation No.: 9643

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL AND ROONEY PC

Date July 28, 2006

By:


Brian P. O'Shaughnessy
Registration No. 32747

P.O. Box 1404
Alexandria, VA 22313-1404
703 836 6620

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

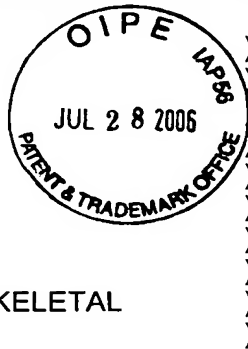
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Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

Also enclosed are copies of the International Preliminary Examination Report and Written Opinion in English language issued in corresponding PCT/FR2004/001470.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

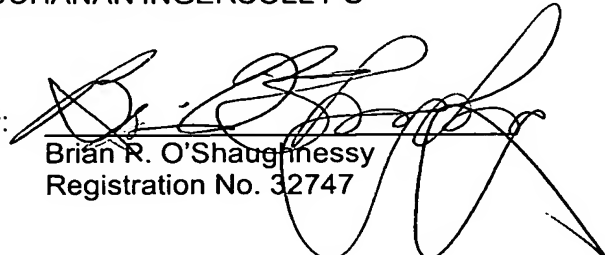
To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date: July 28, 2006

By:


Brian R. O'Shaughnessy
Registration No. 32747

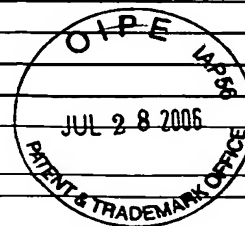
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FIRST
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Application 10/559,819
 Filing Date December 8, 2005
 First Named Inventor Pierre Jurdic et al.
 Examiner Name
 Attorney Docket No. 1032475-000040



U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	4,485,097	A	E. Bell	11-27-1984

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	WO 02/072842	A	PCT	09-19-2002				X			
	WO 04/111643	A2	PCT	12-23-2004							

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Destaing et al., "Podosomes Display Actin Turnover and Dynamic Self-Organization in Osteoclasts Expressing Actin-Green Fluorescent Protein," <i>Mol Biol Cell</i> , 14(2):407-16 (2003) Soc for Molecular Bio. & Evolution Lawrence, KS
	Doglioli, P. et al., A Novel Spectrofluorometric Technique for Specific Biocompatibility Testing of Implantable Materials by Cell Culture: Report on Use for Multiparameter Analysis of Human Osteoblasts Cultured on Commercially Pure Titanium and Hydroxypatite," <i>Cytotechnology</i> , (2001) 35(2), 93-100
	Doi, Y. et al., "Formation of Apatite-Collagen Complexes," <i>Journal of Biomedical Materials Research</i> , 31:43-49 (1996) John Wiley & Sons, Inc.
	Jones, S.J. et al, "Simulation of Bone Resorption-Repair Coupling in Vitro," <i>Anatomy and Embryology</i> , 190(4) (1994) 339-349
	Kikuchi M et al., "Self-organization Mechanism in a Bone-like Hydroxypatite/Collagen Nanocomposite Synthesized in Vitro and Its Biological Reaction in Vivo," 22(13) (July 2001) 1705-1711, <i>Biomaterials</i> , Elsevier Science Publishers B.V. Barking, GB
	Langstaff et al., "Resorbable Bioceramics Based on Stabilized Calcium Phosphates. Part II: Evaluation of Biological Response" <i>Biomaterials</i> , 22(2):135-150 (2001) Elsevier Science Publishers BV., Barking, GB
	Mulari M.T.K. et al., "Osteoblast-like Cells Complete Osteoclastic Bone Resorption and Form New Mineralized Bone Matrix in Vitro," <i>Calcified Tissue International 2004 United States</i> , 75(3) (2004) 253-261
	Mizuno, M. et al., "Cross-Linked Collagen Gel Spheres as a Useful Carrier for Cell Culture of MC 3 T 3-E 1 Clonal Osteogenic Cells," <i>Shika Kiso Igakkai Zasshi</i> , (1988) 30(6), 855-8

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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INFORMATION DISCLOSURE
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(use as many sheets as necessary)

Application	10/559,819
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First Named Inventor	Pierre Jurdic et al.
Examiner Name	
Attorney Docket No.	1032475-000040

Sheet 2 of 2

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Rovira et al., "Colonization of a Calcium Phosphate/Elastin-Solubilized Peptide-Collagen Composite Material by Human Osteoblasts" <i>Biomaterials</i> , 17(15):1535-1540 (1996) Elsevier Science Publishers BV, Barking, GB
	Shibutani et al., "Use of Glass Slides Coated with Apatite-Collagen Complexes for Measurement of Osteoclastic Resorption Activity," <i>J Biomed Mater Res; Journal of Biomedical Materials Research</i> 2000 50(2) (2000) 153-159 John Wiley & Sons, New York, NY USA
	Sun et al., "Influence of Hydroxypatite Particle Size on Bone Cell Activities: An In Vitro Study," <i>J Biomed Mater Res</i> , 39(3) (1998) 390-397 Wiley Interscience, Hoboken, NJ
	Sun et al., "The Influence of Hydroxyapatite Particles on Osteoclast Cell Activities," <i>J Biomed Mater Res</i> 45(4):311-21 (1999) Wiley Interscience, Hoboken, NJ
	Traianedes, K. et al., "5-Lipoxygenase Metabolites Inhibit Bone Formation in Vitro," <i>Endocrinology</i> , 139(7) (July 1998) 3178-3184
	Yamanouchi K. et al, "Bone Formation by Transplanted Human Osteoblasts Cultured Within Collagen Sponge with Dexamethasone in Vitro," <i>Journal of Bone and Mineral Research</i> , 5(16) (May 2001), 857-867 New York, NY, US

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